

ABSTRACT

A serpentine, multiple pass heat exchanger includes at least one flattened, multiple port tube in serpentine configuration with a plurality of general parallel runs defining at least three hydraulically separate flow paths fins. Fins extend between and are in thermal conducting relation with adjacent ones of the runs and an inlet manifold 5 is located on one end of the tubes with an outlet manifold located on the other. A baffle is located in the outlet manifold and the inlet manifold includes a partition which extends both longitudinally and transversely within the inlet manifold to hydraulically separate one flow path from the inlet port while connecting other flow paths to each other to provide for multiple passes. .